

SEQUENCE LISTING



<110> Pepinsky, et al.

<120> HYDROPHOBICALLY-MODIFIED PROTEIN COMPOSITIONS AND METHODS

<130> BIIJ-P02-067

<140> 09/579,680

<141> 2000-05-26

<150> PCT/US98/25676

<151> 1998-12-13

<160> 4

<170> PatentIn Ver. 3.1

<210> 1

<211> 175

<212> PRT

<213> human

<400> 1

Cys Gly Pro Gly Arg Val Val Gly Ser Arg Arg Arg Pro Pro Arg Lys
1 5 10 15

Leu Val Pro Leu Ala Tyr Lys Gln Phe Ser Pro Asn Val Pro Glu Lys
20 25 30

Thr Leu Gly Ala Ser Gly Arg Tyr Glu Gly Lys Ile Ala Arg Ser Ser
35 40 45

Glu Arg Phe Lys Glu Leu Thr Pro Asn Tyr Asn Pro Asp Ile Ile Phe
50 55 60

Lys Asp Glu Glu Asn Thr Gly Ala Asp Arg Leu Met Thr Gln Arg Cys
65 70 75 80

Lys Asp Arg Leu Asn Ser Leu Ala Ile Ser Val Met Asn Gln Trp Pro
85 90 95

Gly Val Lys Leu Arg Val Thr Glu Gly Trp Asp Glu Asp Gly His His
100 105 110

Ser Glu Glu Ser Leu His Tyr Glu Gly Arg Ala Val Asp Ile Thr Thr
115 120 125

Ser Asp Arg Asp Arg Asn Lys Tyr Gly Leu Leu Ala Arg Leu Ala Val
130 135 140

Glu Ala Gly Phe Asp Trp Val Tyr Tyr Glu Ser Lys Ala His Val His
145 150 155 160

Cys Ser Val Lys Ser Glu His Ser Ala Ala Lys Thr Gly Gly
165 170 175

RECEIVED

NOV 26 2003

TECH CENTER 1600/2900

<210> 2
<211> 174
<212> PRT
<213> human

<400> 2

Cys Gly Pro Gly Arg Gly Phe Gly Lys Arg Arg His Pro Lys Lys Leu
1 5 10 15
Thr Pro Leu Ala Tyr Lys Gln Phe Ile Pro Asn Val Ala Glu Lys Thr
20 25 30
Leu Gly Ala Ser Gly Arg Tyr Glu Gly Lys Ile Ser Arg Asn Ser Glu
35 40 45
Arg Phe Lys Glu Leu Thr Pro Asn Tyr Asn Pro Asp Ile Ile Phe Lys
50 55 60
Asp Glu Glu Asn Thr Gly Ala Asp Arg Leu Met Thr Gln Arg Cys Lys
65 70 75 80
Asp Lys Leu Asn Ala Leu Ala Ile Ser Val Met Asn Gln Trp Pro Gly
85 90 95
Val Lys Leu Arg Val Thr Glu Gly Trp Asp Glu Asp Gly His His Ser
100 105 110
Glu Glu Ser Leu His Tyr Glu Gly Arg Ala Val Asp Ile Thr Thr Ser
115 120 125
Asp Arg Asp Arg Ser Lys Tyr Gly Met Leu Ala Arg Leu Ala Val Glu
130 135 140
Ala Gly Phe Asp Trp Val Tyr Tyr Glu Ser Lys Ala His Ile His Cys
145 150 155 160
Ser Val Lys Ala Glu Asn Ser Val Ala Lys Ser Gly Gly
165 170

<210> 3
<211> 176
<212> PRT
<213> human

<400> 3

Cys Gly Pro Gly Arg Gly Pro Val Gly Arg Arg Arg Tyr Ala Arg Lys
1 5 10 15
Gln Leu Val Pro Leu Leu Tyr Lys Gln Phe Val Pro Gly Val Pro Glu
20 25 30
Arg Thr Leu Gly Ala Ser Gly Pro Ala Glu Gly Arg Val Ala Arg Gly
35 40 45

Ser Glu Arg Phe Arg Asp Leu Val Pro Asn Tyr Asn Pro Asp Ile Ile
 50 55 60
 Phe Lys Asp Glu Glu Asn Ser Gly Ala Asp Arg Leu Met Thr Glu Arg
 65 70 75 80
 Cys Lys Glu Arg Val Asn Ala Leu Ala Ile Ala Val Met Asn Met Trp
 85 90 95
 Pro Gly Val Arg Leu Arg Val Thr Glu Gly Trp Asp Glu Asp Gly His
 100 105 110
 His Ala Gln Asp Ser Leu His Tyr Glu Gly Arg Ala Leu Asp Ile Thr
 115 120 125
 Thr Ser Asp Arg Asp Arg Asn Lys Tyr Gly Leu Leu Ala Arg Leu Ala
 130 135 140
 Val Glu Ala Gly Phe Asp Trp Val Tyr Tyr Glu Ser Arg Asn His Val
 145 150 155 160
 His Val Ser Val Lys Ala Asp Asn Ser Leu Ala Val Arg Ala Gly Gly
 165 170 175

<210> 4
 <211> 176
 <212> PRT
 <213> human

<220>
 <221> SITE
 <222> (6)
 <223> Xaa= Val or Gly

<220>
 <221> SITE
 <222> (7)
 <223> Xaa= Val, Phe, or Pro

<220>
 <221> SITE
 <222> (8)
 <223> Xaa= Gly or Val

<220>
 <221> SITE
 <222> (9)
 <223> Xaa= Ser or Gly

<220>
 <221> SITE
 <222> (10)
 <223> Xaa= Arg or Lys

<220>
<221> SITE
<222> (13)
<223> Xaa= Pro, His, or Tyr

<220>
<221> SITE
<222> (14)
<223> Xaa= Pro or Ala

<220>
<221> SITE
<222> (15)
<223> Xaa= Arg or Lys

<220>
<221> SITE
<222> (17)
<223> Xaa= any amino acid

<220>
<221> SITE
<222> (19)
<223> Xaa= Val or Thr

<220>
<221> SITE
<222> (22)
<223> Xaa= Ala or Leu

<220>
<221> SITE
<222> (27)
<223> Xaa= Ser, Ile, or Val

<220>
<221> SITE
<222> (29)
<223> Xaa= Asn or Gly

<220>
<221> SITE
<222> (31)
<223> Xaa= Pro or Ala

<220>
<221> SITE
<222> (41)
<223> Xaa= Tyr or Ala

<220>
<221> SITE
<222> (45)
<223> Xaa= Ile or Val

<220>
<221> SITE
<222> (46)
<223> Xaa= Ala or Ser

<220>
<221> SITE
<222> (48)
<223> Xaa= Ser, Asn, or Gly

<220>
<221> SITE
<222> (54)
<223> Xaa= Glu or Asp

<220>
<221> SITE
<222> (56)
<223> Xaa= Thr or Val

<220>
<221> SITE
<222> (71)
<223> Xaa= Thr or Ser

<220>
<221> SITE
<222> (79)
<223> Xaa= Gln or Glu

<220>
<221> SITE
<222> (83)
<223> Xaa= Asp or Glu

<220>
<221> SITE
<222> (84)
<223> Xaa= Arg or Lys

<220>
<221> SITE
<222> (85)
<223> Xaa= Leu or Val

<220>
<221> SITE
<222> (91)
<223> Xaa= Ser or Ala

<220>
<221> SITE
<222> (95)
<223> Xaa= Gln or Met

<220>
<221> SITE
<222> (114)
<223> Xaa= Ser or Ala

<220>
<221> SITE
<222> (115)
<223> Xaa= Glu or Gln

<220>
<221> SITE
<222> (116)
<223> Xaa= Glu or Asp

<220>
<221> SITE
<222> (135)
<223> Xaa= Asn or Ser

<220>
<221> SITE
<222> (139)
<223> Xaa= Leu or Met

<220>
<221> SITE
<222> (157)
<223> Xaa= Lys or Arg

<220>
<221> SITE
<222> (158)
<223> Xaa= Ala or Asn

<220>
<221> SITE
<222> (160)
<223> Xaa= Val or Ile

<220>
<221> SITE
<222> (162)
<223> Xaa= Cys or Val

<220>
<221> SITE
<222> (166)
<223> Xaa= Ser or Ala

<220>
<221> SITE
<222> (167)
<223> Xaa= Glu or Asp

<220>
<221> SITE
<222> (168)
<223> Xaa=His or Asn

<220>
<221> SITE
<222> (170)
<223> Xaa= Ala, Val, or Lys

<220>
<221> SITE
<222> (173)
<223> Xaa= Lys or Arg

<220>
<221> SITE
<222> (174)
<223> Xaa= Thr, Ser or Ala

<400> 4
Cys Gly Pro Gly Arg Xaa Xaa Xaa Xaa Xaa Arg Arg Xaa Xaa Xaa Lys
1 5 10 15
Xaa Leu Xaa Pro Leu Xaa Tyr Lys Gln Phe Xaa Pro Xaa Val Xaa Glu
20 25 30
Lys Thr Leu Gly Ala Ser Gly Arg Xaa Glu Gly Lys Xaa Xaa Arg Xaa
35 40 45
Ser Glu Arg Phe Lys Xaa Leu Xaa Pro Asn Tyr Asn Pro Asp Ile Ile
50 55 60
Phe Lys Asp Glu Glu Asn Xaa Gly Ala Asp Arg Leu Met Thr Xaa Arg
65 70 75 80
Cys Lys Xaa Xaa Xaa Asn Ser Leu Ala Ile Xaa Val Met Asn Xaa Trp
85 90 95
Pro Gly Val Lys Leu Arg Val Thr Glu Gly Trp Asp Glu Asp Gly His
100 105 110
His Xaa Xaa Xaa Ser Leu His Tyr Glu Gly Arg Ala Val Asp Ile Thr
115 120 125
Thr Ser Asp Arg Asp Arg Xaa Lys Tyr Gly Xaa Leu Ala Arg Leu Ala
130 135 140
Val Glu Ala Gly Phe Asp Trp Val Tyr Tyr Glu Ser Xaa Xaa His Xaa
145 150 155 160
His Xaa Ser Val Lys Xaa Xaa Xaa Ser Xaa Ala Ala Xaa Xaa Gly Gly
165 170 175

<210> 5
<211> 39
<212> DNA
<213> Artificial Sequence

<220>
<223> XXXX

<400> 5
ggc gatgacg atgacaaaatt cggaccgggc aggggggttc

39

<210> 6
<211> 39
<212> DNA
<213> Artificial Sequence

<220>
<223> XXXX

<400> 6
ggc gatgacg atgacaaaat aggaccgggc aggggggttc

39

<210> 7
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> XXXX

<400> 7
ggc gatgacg atgacaaaat gggcccgggc aggggggttcg gg

42

<210> 8
<211> 47
<212> DNA
<213> Artificial Sequence

<220>
<223> XXXX

<400> 8
gcggc gatga cgatgacaaa atcatcggac cgggcagggg gttcggg

47

<210> 9
<211> 49
<212> DNA
<213> Artificial Sequence

<220>

<223> XXXX

<400> 9

gagtcatcag cctcccgatt ttgcgcacac cgagttctct gctttcacc